BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work : Detailed Estimate for Construction of RCC Drain at 12th Cross of Muthyala Nagara in Ward No.17

Estimate Cost:Rs. 1999000.00

Sl No	Description of work	No	Dimensions			Quantity	Rate	Unit	Amount
			L	B	D				
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-2.2:Earthwork excavation for foundtion of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications Specification No.KBS 2.1(b)/2.3.5 **(P-5, It,-2.4)**								
	RCC Drain	1	330.00	1.10	0.95	344.85			
					Total	**344.85**	**227.88**	**Cum**	**78584.00**
	Basic Rate	211.00							
	Area Weightage 8%	16.88							
	Total	**227.88**							
2	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 **(P-144, It.No. 17.1)**								
	QtyVid ItemNo.1					344.85			
					Total	**344.85**	**108.64**	**Cum**	**37465.00**
	Basic Rate	62.20							
	Conveying for 15 km	38.40							
	Total	**100.60**							
	Area Weightage 8%	8.04							
	Total	**108.64**							
3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregate @0.85 cum and fine aggregate @0.57 cum machine mixed. concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P-12, It.4.3)**								
		1	330.00	1.10	0.15	54.45			
					Total	**54.45**	**4290.84**	**Cum**	**233636.00**
	Basic Rate:	3973.00							
	Area Weightage 8%	317.84							
	Total	**4290.84**							

1	2	3	4	5	6	7	8	9	10
4	KSRB 4.2.2:Providing andlaying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layres not exceeding 15 cms, thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintles, retaining walls, return walls, walls (any thickness) includng attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.6 **(P-13, It.4.11)**									
	Drain Bottom Slab	1	330.00	0.90	0.15	44.55			
	Drain Side Wall	2	330.00	0.15	0.60	59.40			
	Basic Rate:	5222.00				**103.95**	**5639.76**	**Cum**	**586253.00**
	Area Weightage 8%	417.76							
	Total	**5639.76**							
5	KSRB 4.9-1:Providing T.M.T Steel reinforcement for RCC Work including straightening, cutting, bending hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wasstge shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS 4.6.3 **(P-19, It.4.46)**									
	Qty @ 65Kg/Cum	drain	0.65	103.95		67.57			
	Basic Rate:	6834.00			**Total**	**67.57**	**7380.72**	**Qntl**	**498697.00**
	Area Weightage 8%	546.72							
	Total	**7380.72**							
6	KSRB 4-6.4:Providing and removing centering, shuttering, strutting proppoing etc, and removal of formwork for Vertical surface such as walls at any thickness including attached pilasters butresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 **(P-17, It.4.31)**									
	Drain Side Wall	4	330.00		0.60	792.00			
	Basic Rate:	251.00			**Total**	**792.00**	**271.08**	**Sqm**	**214695.00**
	Area Weightage 8%	20.08							
	Total	**271.08**							
7	Providing 10 cm thick granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. **(P-28, It. 5.31.2)**								
	Covering slab	1	330.00	0.90		297.00			
	Basic Rate	537.00			**Total**	**297.00**	**579.96**	**Sqm**	**172248.00**

1	2	3	4	5	6	7	8	9	10
	Area Weightage 8%	42.96							
	Total	**579.96**							
8	KSRB 5-8.1Providing one line dressing to granite stone slabs / granitestone masonary as per specifications KBS 5.1.13. **(P-26, It. 5.17)**								
		Qty same as item No.7				297.00			
					Total	**297.00**	**438.48**	**Sqm**	**130229.00**
	Basic Rate	406.00							
	Area Weightage 8%	32.48							
	Total	**438.48**							
9	KSRB 5.9: Providing chamfering edges to stone slabs 2.5 cms, wide as per specifications (only chamfered length shall be recorded) KSRB 5.1.13 **(P-27, It.5.22)**								
		1	540	3.00		1620.00			
					Total	**1620.00**	**28.40**	**Rmt**	**46014.00**
	Basic Rate:	26.30							
	Area Weightage 8%	2.10							
	Total	**28.40**							
10	Miscellaneous & Rounding off:							**L/S**	**1179.00**
						Total Rs:			**1999000.00**

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2013-14

Assistant Engineer
Ward No.17

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP, Bangalore

Executive Engineer
R.R. Nagara Division
BBMP, Bangalore

ADMINISTRATIVE APPROVED

Rs : 19,99,000/- Nineteen Lakh Ninety Nine Thousand only ..... is accorded under the head : .....

By AC (R.R.N.) : S.L.No 2483

Vide Register Page No. 302 - 303 subject to conditions contained in the cited memo No. RR/2483 Date. 30/10/2013

TA.

AC (R.R.N.)

ನಂ.: 210 ದಿನಾಂಕ: 30-10-13

ರೂ. 19,99,000/- (Nineteen Lakh Ninety Nine Thousand only)

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ.ಬಿ.ಎಂ.ಪಿ., ರಾಜರಾಜೇಶ್ವರಿ
ನಗರ ವಿಭಾಗ, ಬೆಂಗಳೂರು